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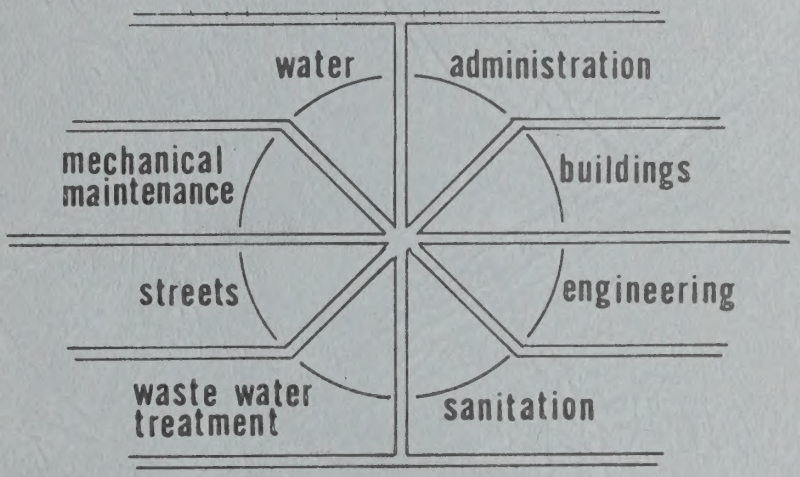
1971-1972
Public Works Municipal Santa Maria

Public Works



1971 - 1972

ANNUAL REPORT

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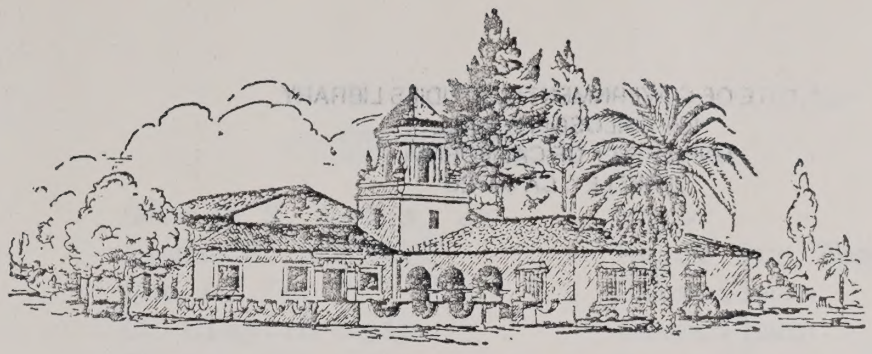

110 East Cook Street
CITY OF SANTA MARIA, CALIFORNIA
93454

OFFICE OF: Public Works
Department

December 1, 1972

Mr. Robert F. Grogan
City Administrator
City of Santa Maria
110 East Cook Street
Santa Maria, California 93454

Dear Bob:

Frank Salfingere would normally be writing this transmittal letter for the Department of Public Works Annual 1971-1972 Report, but since he resigned and left the City as of October 1, 1972, I will submit this report as Acting Director.

Frank left after completing a very good year for the City, and it is with pleasure that I transmit this summary of public works activities during this past fiscal year. This is the second in a series of these type reports, providing a convenient method for the recordation of significant departmental activities.

We have attempted to include in this report material of statistical and historical value, as well as information of personal interest to our individual department members. A brief summary of various events considered most noteworthy is contained in the general comments at the beginning of the report.

It is appropriate here to express our gratitude to the rest of the City family for the guidance and assistance which literally made many of our departmental accomplishments possible. We are even more grateful for the sympathy and understanding that was received for our failures. We look forward to the continuing opportunity to make a contribution toward the total City government's service to its community.

Very truly yours,

Reese N. Riddiough

REESE N. RIDDIOUGH
Acting Director of Public Works

JS
365:P9
S1M.r
1971/1972

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CITY COUNCIL

George S. Hobbs, Jr.	Mayor
Elwin E. Mussell	Mayor Pro Tempore
Dan A. Firth	Councilman
C. Clayton Kyle	Councilman
Thomas Urbanske	Councilman

ELECTED OFFICIALS

Dorothy S. Lyman	City Clerk
William W. Winter	Treasurer

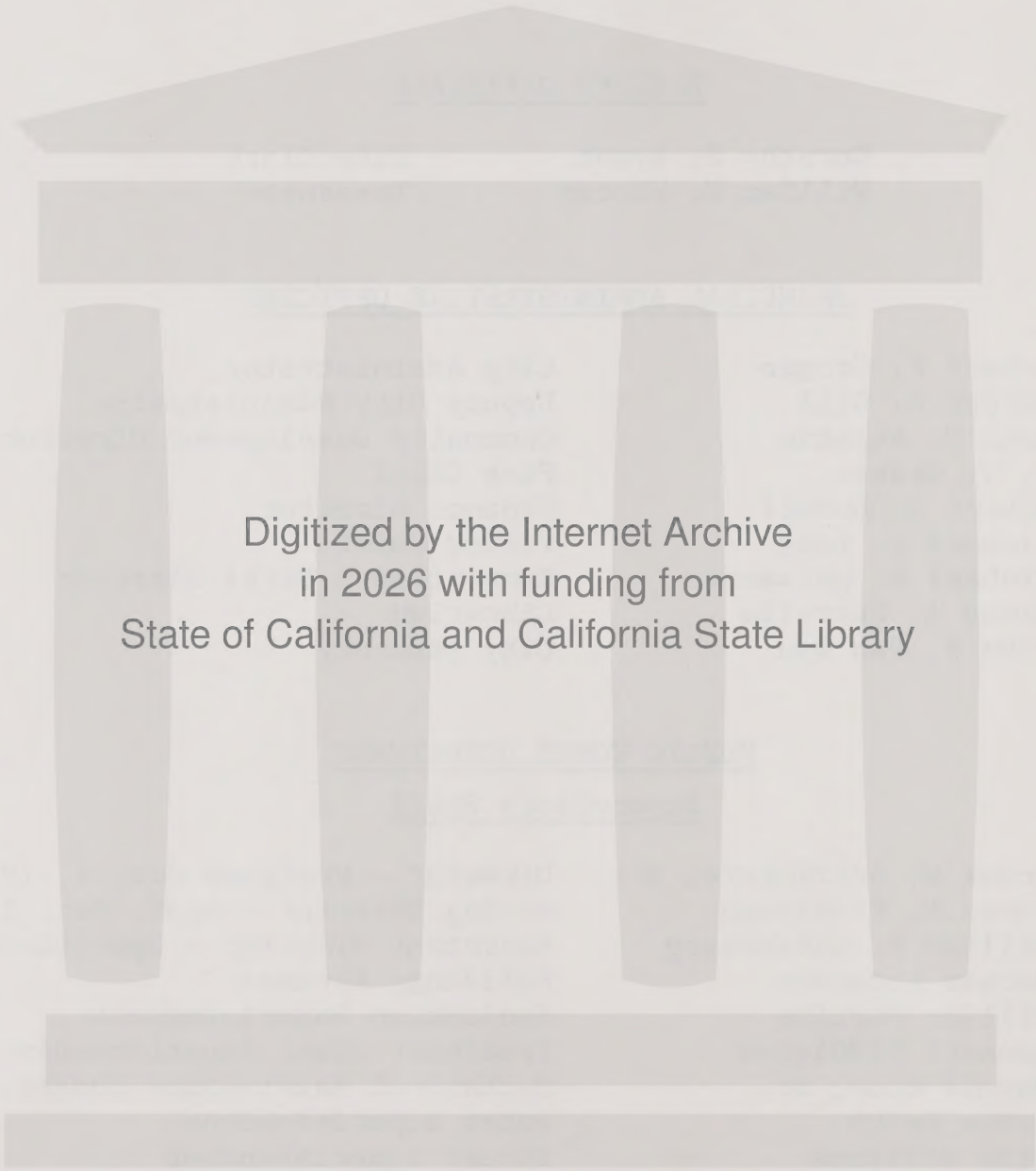
PRINCIPAL ADMINISTRATIVE OFFICERS

Robert F. Grogan	City Administrator
Gordon G. Gill	Deputy City Administrator
Jean W. Abraham	Community Development Director
C. W. Crakes	Fire Chief
Robert S. Hossli	Finance Director
Richard J. Long	Police Chief
Michael A. Maramonte	Recreation & Parks Director
James A. Petrella	Librarian
John A. Van Ryn	City Attorney

PUBLIC WORKS DEPARTMENT

Supervisory Staff

Frank W. Salfingere, Jr.	Director - Resigned Oct. 1, 1972
Reese N. Riddiough	Acting Director - Appt. Oct. 1, 1972
William S. Litzenberg	Assistant Director - Operations
Norman Anderson	Buildings Foreman
William Martins	Sanitation Superintendent
Bennett Middleton	Treatment Plant Superintendent
Harold Rios, Sr.	Mechanical Maintenance Superintendent
Jesse Smith	Water Superintendent
Bill Williams	Street Superintendent



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1971-1972 ANNUAL REPORT

GENERAL COMMENTS

It should be noted that 1971-72 was the driest rainfall year since 1912 when it rained only 5.46 inches, and 1898 when only 5.69 inches were recorded. This year the recorded rainfall was 5.49 inches. Although a hard year for the farmers and for the ground water table for our City Water Production Division, it gave our construction contractors a break for completion of the Simas Park water storage basin and the Miller Street Storm Drain which supplies it with overflows from the City streets. It also gave the County Flood Control District an excellent opportunity to start and complete the storm drain from the sump at Adam Park which collects all the overflow from the Simas Park basin. Since the drought continues, the Simas Park Project has not yet actually functioned automatically, although it was manually operated once during the Christmas Holidays in 1971 when the bulk of past season's rainfall occurred. However, it is ready and waiting for rain.

The headaches experienced with the acceptance tests on the water main pipe on the Blosser-McCoy Water Transmission Mains was finally resolved and approved. The contractor and the pipe supplier provided a bond and warranty against defective materials for a period of five years.

Perhaps the most spectacular project completed during this period would be the West Main Street Assessment District Project. Besides the unique construction features of Lucalox Street Lights, street intersection safety bulbs, decorative concrete sidewalk and parkway appointments, and traffic control medians and markings; the administrative functioning of the Assessment District proceedings was outstandingly smooth and speedy. The enthusiasm and fine cooperation experienced with the property owners involved, made this Assessment District Project unusually successful. The parallel parking and intersection culverts for pedestrian crossings are also noteworthy improvements.

One well constructed and physically completed project had the misfortune of bogging down administratively. We have not been able to close out the final payment and paper work on the Miller Street Storm Drain job due to the failure of the contractor and his Bonding Company to fulfill their contract obligations. This unfortunate matter should be cleaned up in the near future it is hoped.

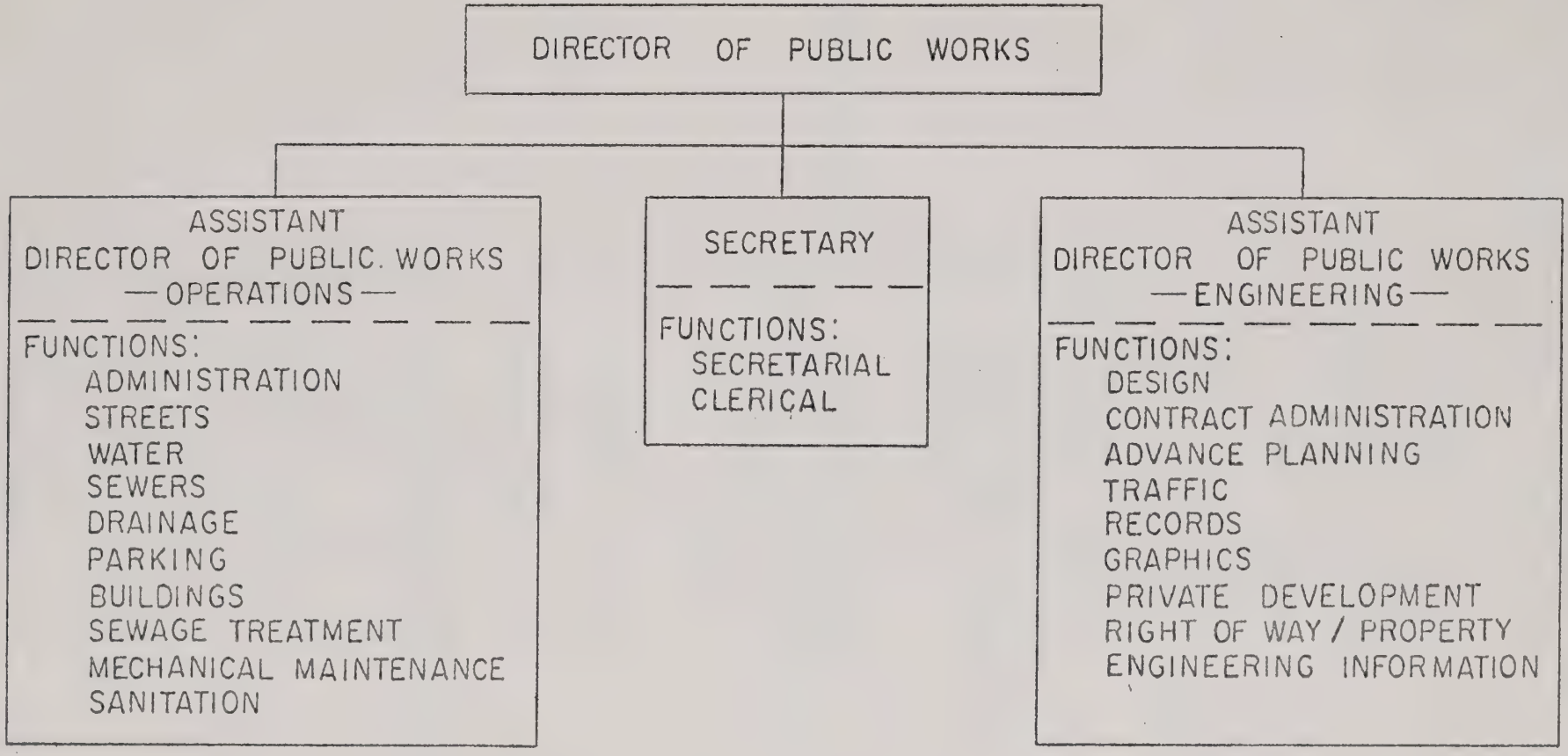
Another very outstanding and well received project was the design and construction of the Senior Citizens Facility. The needed building for our Senior Citizen's functions and operations has gone over big according to the almost daily newspaper accounts of their activities. Our Engineering Division deserves tremendous credit for a difficult job well done on this one as well as the Building Division and Street Division and their work to cause this remodeling of a warehouse into the Senior Citizens Center a reality.

The "TOPICS" projects, instigated and designed by this office, came to the construction state when the State Division of Highways awarded the first four jobs on June 7, 1972. These types of projects are geared toward increasing traffic safety and capacity on our streets and highways.

Much work and energy was expended by the Engineering Division on the Blosser-Stowell Improvements. The plans and specifications have been prepared and the project will go to bid on August 15, 1972.

The Final Payment for the 15 construction contracts included in this period amount to $640,686, which is well above an average year construction program.

CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
ORGANIZATION



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DIVISION ACTIVITIES

The thirty-five (35) functional activities of the department are assigned to one of eight divisions. Highlights of the past year regarding each of these divisions are summarized on the following pages.

Division	Activity	Functions
1	Administration	1. Directors 2. Secretary & Clerical
2	Building Maintenance	3. Maintenance & Modification
3	Engineering	4. Design 5. Contract Administration 6. Advance Planning 7. Traffic 8. Graphics & Records 9. Private Development 10. R/W Property 11. Engineering Information 12. Drainage 13. Parking
4	Mechanical Maintenance	14. Operator's Training 15. Maintenance & Repair 16. Preventive Maintenance Program 17. Dispatching 18. Parts & Records
5	Sanitation	19. Collection 20. Disposal
6	Sewage Treatment	21. Sewage Plant 22. Sewage Lift Station
7	Streets & Lights	23. Asphalt & P.C. Concrete Maint. & Repair 24. Traffic Striping & Stencil Painting 25. Sweeping 26. Signing 27. Parking 28. Street Lights 29. Parking Meters 30. Grading alleys & Drainage ditches 31. Weed Control 32. Maintain Sewer Lines 33. Christmas Decorations
8	Water	34. Production 35. Distribution

ADMINISTRATION MISCELLANEOUS

1. A coffee break and lunch time policychange was instituted during the past year for field crew personnel. The lunch period was reduced from 1 hour to 1/2 hour and coffee breaks were to be taken at or near the job site. This resulted from negotiations with the Employees' Association on this and other matters.

   The change has been pretty well accepted and apparently the employees do appreciate the earlier work days end. There has been some time saved by the reduced trips to and from the Public Works Center for the coffee breaks, particularly in two of the Public Works divisions.

2. During Fiscal Year 1971-72 the Public Works Department issued 84 curb and walk permits for a total of $1,295. This money is held only as a deposit and returned to the applicant upon satisfactory completion of the work and approved by the City.

3. During Fiscal Year 1971-72 the Public Works Department issued 26 excavation permits for a total of $3,840. Approximately $74.50 of this amount has been forfeited to the City for patching three (3) of these excavations; $3,765.50 has been returned to the applicant for patching of excavations that have been satisfactorily completed and approved by the City.

4. During this same fiscal year there were seventeen (17) banner permits issued to non-profit organizations for a total of $425.

5. Significant Reports:

   a. Janitorial Service Report - Contract versus City employees performing the work for City Hall, Community Development, Library, Police Department, Recreation & Parks Offices and Public Works Center; the evaluation points out that an acceptable level of service in these buildings needs the work performed at a greater cost and the bidding and contract method for 3 consecutive years has not proven to be acceptable.

   b. Disposal Site Plan - Expansion of the Suey Landfill operation and as a "pay dump" has been developed into a comprehensive plan, as determined from a preliminary evaluation; this is now an on-going program.

ADMINISTRATION DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

DIRECTOR OF PUBLIC WORKS (1)
FRANK SALFINGERE

ASSISTANT DIRECTOR-OPERATIONS (1)
BILL LITZENBERG

SECRETARIAL AND CLERICAL SERVICES

SECRETARY (1)
JUANITA TAYLOR

STENO CLERK II (1)
KATHY ALBRIGHT

PART-TIME CLERK TYPIST II (200hrs)
VACANT

MICROFILMED

BUILDING MAINTENANCE DIVISION

The Building Maintenance Division has the responsibility of maintaining and modifying all of the Public Works Center buildings, the City Hall, and the responsibility to perform similar work for all of the City Departments and Divisions at their request. This work involves all of the functional items connected with the operation and upkeep of buildings to the extent of the knowledge and the skills of the division. The responsibility of this division also involves the direct supervision of janitorial work at City Hall and a janitorial contract service for the Public Works Center with quasi responsibilities relating to the Community Development Department and the Library.

During this year contract services amounted to $7,680; $3,780 for janitorial service and $3,900 for reroofing the warehouse and the mechanical maintenance buildings at the Public Works Center.

Some highlights of jobs completed last year are:

a. Prefabrication and installation of security partitions and bullet proof glass including armor plating of four doors and installation of shotgun slots with peephole viewers at the Police Station.

b. At Fire Station 1 this division was responsible for the removal of glass and installation of masonite to reduce maintenance costs and increase security against vandalism. Also included was the addition of a storage room.

c. Work accomplished for the Recreation and Parks Department included the prefabrication and installation of mullions on the east side of the Atkinson building and reducing the size of plate glass because of vandalism and replacement costs. Work for this department also included the prefabrication of a ticket booth for Elk's Field and replacement of the hot water boiler at the Simas Park building. The removal of concrete ramps, steps and replacement of sandfill was accomplished for the addition to the new Senior Citizens building.

d. Collection booth and signs for the Sanitation Landfill, which is now a pay dump.

The past year has included many small projects in maintenance and new work for the Building Division.

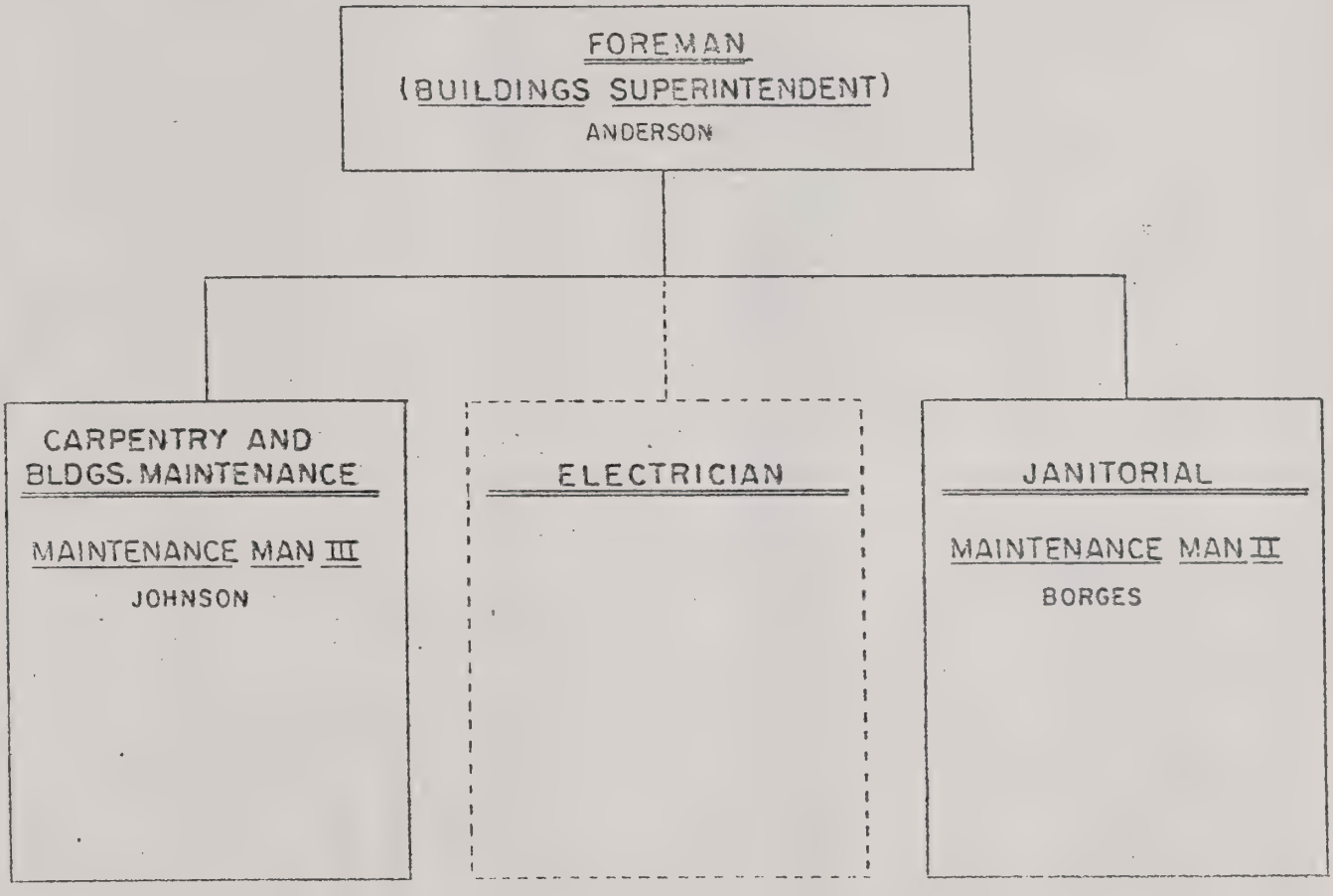
BUILDINGS DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

(EXISTING)



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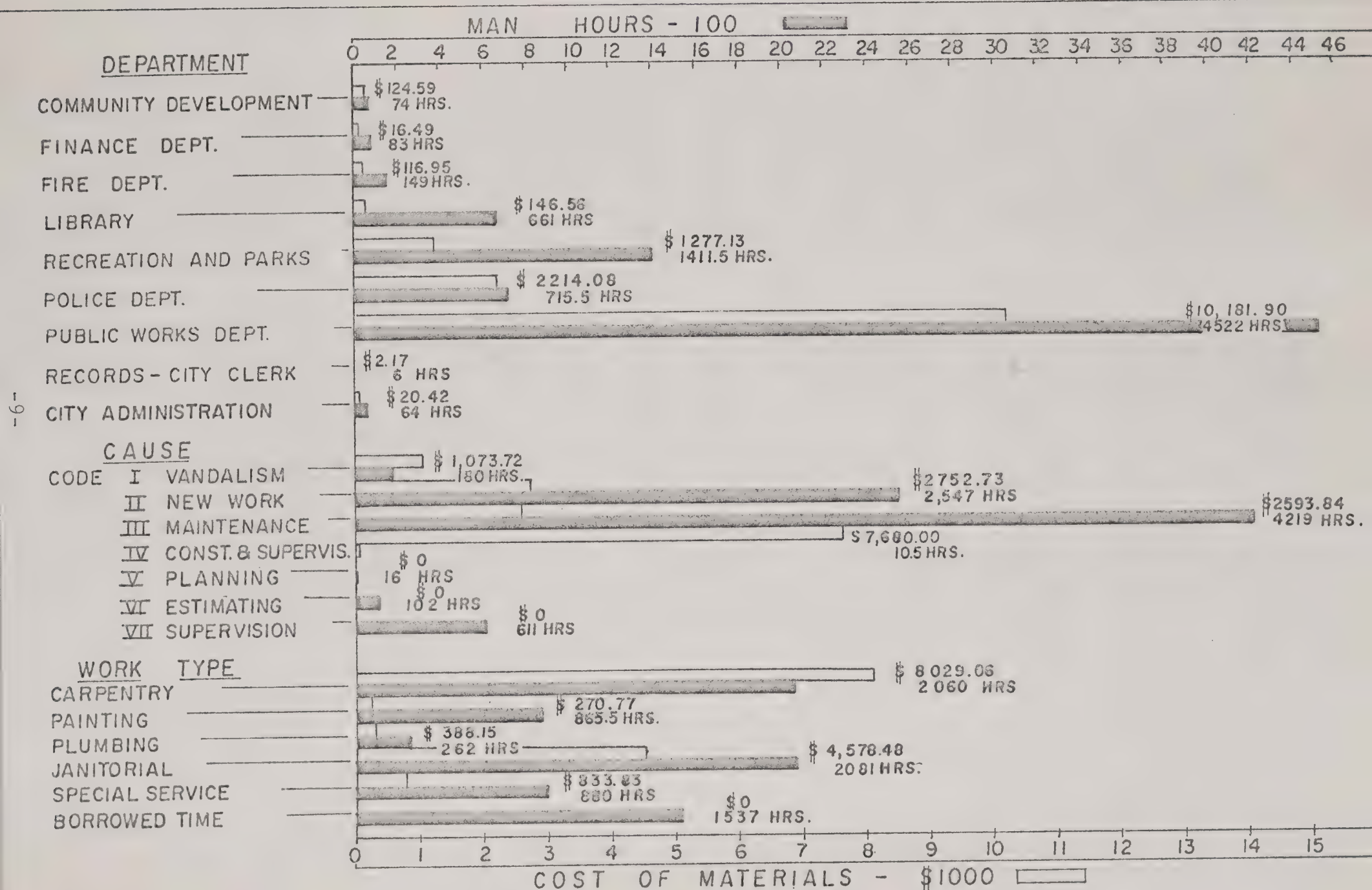
BUILDINGS DIVISION ACTIVITY REPORT FOR 1971-1972



ENGINEERING DIVISION

No personnel changes occurred during this period as shown on the Division's Organizational Chart (Plate 1).

Plate 2 shows the major activities of the division, plus their respective approximate costs as a percentage of the total division salaries. Total salaries include regular salaries, overtime salaries and part time salaries. This total was approximately $145,625 for 1971-72.

Current engineering projects, shown on Plate 2, include any project that has been in the design and/or construction phase during this past year. These projects, prior to construction phase, have a set of drawings and specifications prepared by this division.

Private development and subdivision activity, shown on Plate 2, include the following:

Building site reports for use permit application	139
Subdivision reports for Subdivision Committee meetings	56
Development Coordinating reports for Development Coordinating Committee meetings	3

Traffic engineering and Traffic Committee activity shown on Plate 2 include the following:

Curb zone investigation (red-green & white)	19
Stop sign investigation	7
Speed limit studies	11
School safety	4
Intersection studies	9
Miscellaneous traffic controls	21

Annual Traffic Count Summary
Contribute input to TOPICS TRANSPORTATION PLANS
Truck Traffic Study
Speed Zone Study of Broadway and Main
Contribute Input to Traffic Records Systems

Tabulated on Plate 3 are engineering projects on which construction was started and/or was completed within the fiscal year. Included facts are the final contract cost, start of construction, completion of construction, and the percent engineering cost for the entire project based on the final contract price.

REV. 2/25/71 L.R.U.

ENGINEERING DIVISION
CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
ORGANIZATION CHART

DIRECTOR OF PUBLIC WORKS

ASSIST. DIR. OF PUB. WKS. OPERATIONS
- ADMINSTRATION
- STREETS
- WATER
- SEWERS
- DRAINAGE
- PARKING
- BUILDINGS
- SEWAGE TREAT.
- MECH. MAINT.
- SANITATION

ASSISTANT DIRECTOR OF PUBLIC WKS. ENGINEERING (1) (RIDDIOUGH)

OPERATIONS
- DESIGN
- CONSTRUCTION
- CONTRACT ADMIN.
- SURVEYING
- INSPECTION

ASSOCIATE C.E. (1) (EMBERTON)

- **SURVEY**: ENGR. TECH. (1) (PALATO); SR. AIDE (1) (RIOS); ENG. AIDE (1) (OROSCO)
- **DESIGN**: ENGR. TECH. (1) (COWLEY); SR. AIDE (1) (PANTOJA); ENG. AIDE (.5) (UJANO)
- **INSPECT.**: PUB. WKS. INSP. (2) (LITTLE) (WALL)

ADMINISTRATION AND RECORDS
- RECORDS
- FISCAL
- ADMIN. AFFAIRS
- PERSONNEL
- REPRODUCTION

C.E. ASSISTANT (1) (HAMILTON)

ENG. AIDE (.5) (UJANO)

PLANNING AND DEVELOPMENT
- ADVANCE PLANNING
- PRIVATE DEVELOP.
- R/W AND PROPERTY
- PERMITS
- ENGR. INFORMATION

C.E. ASSOCIATE (1) (COOLEY)

ENG. TECH. (.5) (DIAZ)

TRAFFIC AND GRAPHICS
- TRAFFIC COMMITEE
- T.C. ADMINISTRATION
- TRAFFIC DESIGN
- GRAPHICS

ENGR. TECH. (.5) (DIAZ)

MICROFILMED

REF. A-216

A-279

ENGINEERING DIVISION

FISCAL YEAR SALARY EXPENDITURE
*(Percent of Total Salaries)

PERCENT	ACTIVITY CLASSIFICATION
23.2	Current Engineering Projects; Design and Construction
10.5	Information and Records - Public Inquiries, etc.
12.7	Non-Productive; (Meetings, Holidays, Vacation, Sick Leave, etc.)
11.3	Support Services; (For City Departments and Divisions)
13.9	Private Developments, Subdivisions etc.
7.6	Advance Planning, Studies etc.
8.3	Next Year and Five Year Budget Improvement Projects
4.9	Traffic Engineering and Traffic Committee
3.7	Microfilm System
0.9	TOPICS Study, Staff Input
0.6	TOPICS Project
2.4	Downtown Redevelopment (N.D.P.); Staff Input
100.0%	

*Total salaries include regular salaries, overtime and part time. 1971-72 Total $145,625

PLATE 2

ENGINEERING DIVISION

FISCAL YEAR ENGINEERING PROJECTS
(Project Construction Started And/Or Completed; 7/1/71 to 6/30/72)

Spec.	PROJECT Description	Final Const. Cost	Council Award	Council Accept.	Percent Engr. Cost/Project	Contractor
70-4	Water Transmission Mains	$209,309.23	6-15-70	2-22-72	5.48	West Coast
70-15	West Main Str.-A.D.70-1	138,876.28	3-15-71	11-1-71	8.68	A. J. Diani
71-9	Miller Street Storm Drain	(Est.) 89,457.00	4-19-71	Not Yet	12.35	Kleinhammer
71-10	Alvin Extension Paving	9,226.54	9-20-71	2-7-72	34.86	A.J. Diani
72-1	Street Maintenance 1971	38,310.77	9-20-71	2-7-72	2.10	Hermreck
72-2	Water Line Replacement 1971	22,389.05	10-4-71	12-20-71	6.12	Jamieson
72-3	Elks Field-Lighting	20,360.00	11-1-71	3-20-71	5.28	Lee Wilson
72-4	Elks Field-Fencing	19,762.00	12-6-71	4-3-72	8.97	Cyclon Fence
72-5	Replace Roofs - Whse., etc.	3,900.00	P.O.	P.O.	P.O.	Purchase Order
72-6	Chemical Weed Abatement	17,629.19	12-6-71	3-6-72	Street Dept	Alocco
72-7	Senior Citizens Facility	42,575.43	2-7-72	6-5-72	10.13	G. W. Cann
72-8	Landscape-Overpasses	8,600.00	4-17-72	6-19-72	14.68	Karleskint-Crum
72-9	Street Lights, Church-Miller	6,797.00	2-7-72	5-1-72	12.98	Lee Wilson
72-10	Sprinkler Sys.-Overpasses	13,494.00	2-7-72	5-1-72	18.07	Heatherwood
72-11	Landscape-Overpasses	(Council denied - Too High)				Karleskint-Crum
	TOTAL	$640,686.49				

PLATE 3

MECHANICAL DIVISION

During the past fiscal year the Mechanical Maintenance Division maintained some 188 motorized pieces of equipment with a total of eleven (11) division personnel.

The City's vehicles traveled approximately 944,971 road miles using 156,405 gallons of fuel. In this period 3,335 shop work orders were completed and 12,000 fuel tickets were used at the pump island for the service. In addition, this division worked closely with other departments and divisions on activities other than automotive, such as welding in the field, metal fabrication and repairs. These man hour costs are reimbursable through "Inter-departmental" billing.

An application for State gasoline road tax rebate was filed in the past year. The operating cost records were audited by the State of California and the claim has been approved for a rebate of approximately $456.08; this rebate will be applied for annually.

The Division funds were derived from principally the equipment rental out of the "Pool System"; other funds are in the form of reimbursables consisting of $4,954 on the sale of used equipment and $382 for repairs on damaged equipment determined to be the "other party's fault."

Careful analysis of needed repairs on especially heavy equipment is being made to prevent sending the work out to

private shops. Rising outside labor costs and quality of workmanship almost prohibits sending work out and still stay within a minimum budget.

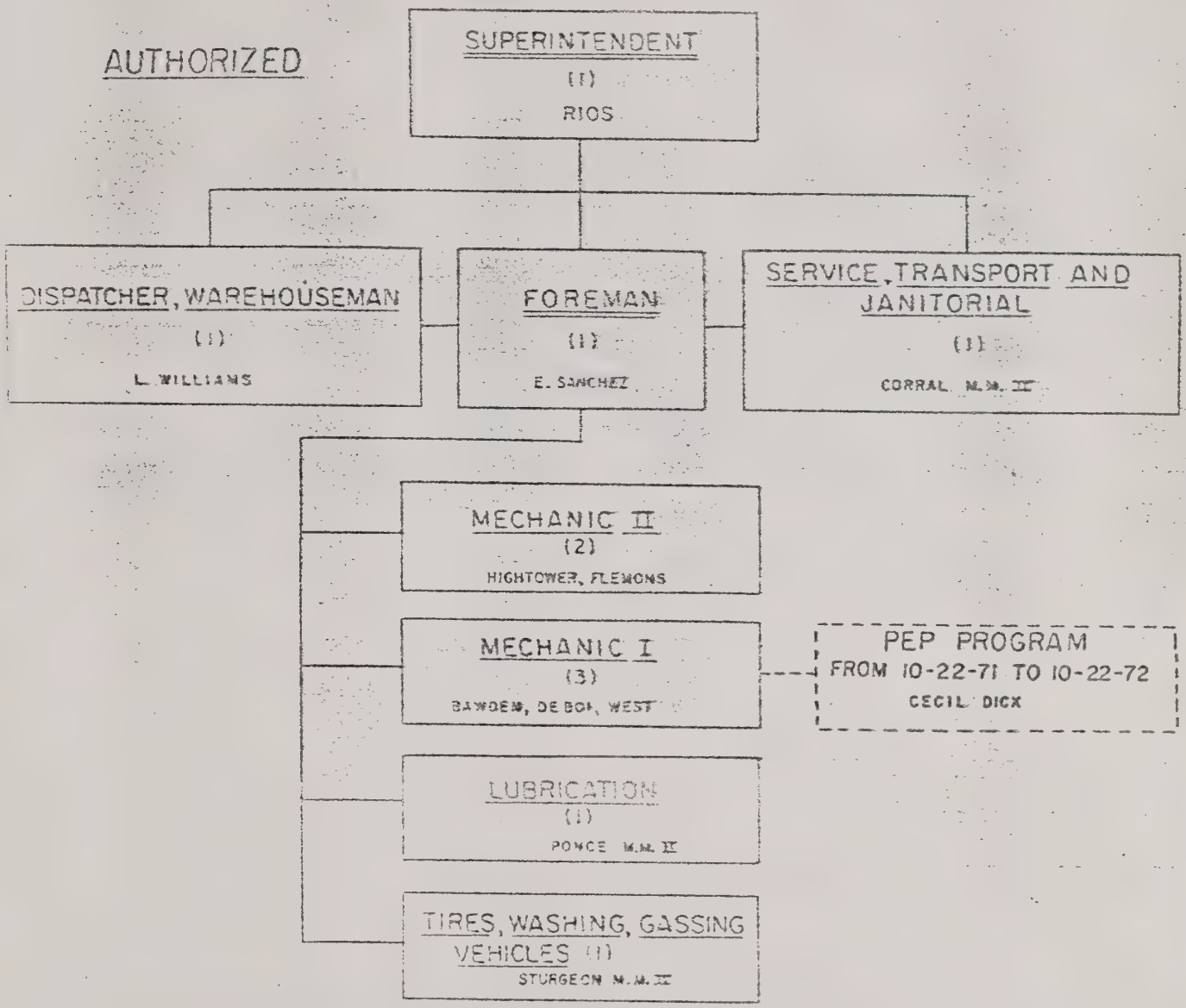
During the fiscal year 929.0 man hours were lost due to major illnesses and personnel replacement in vacated positions.

MECHANICAL MAINTENANCE DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

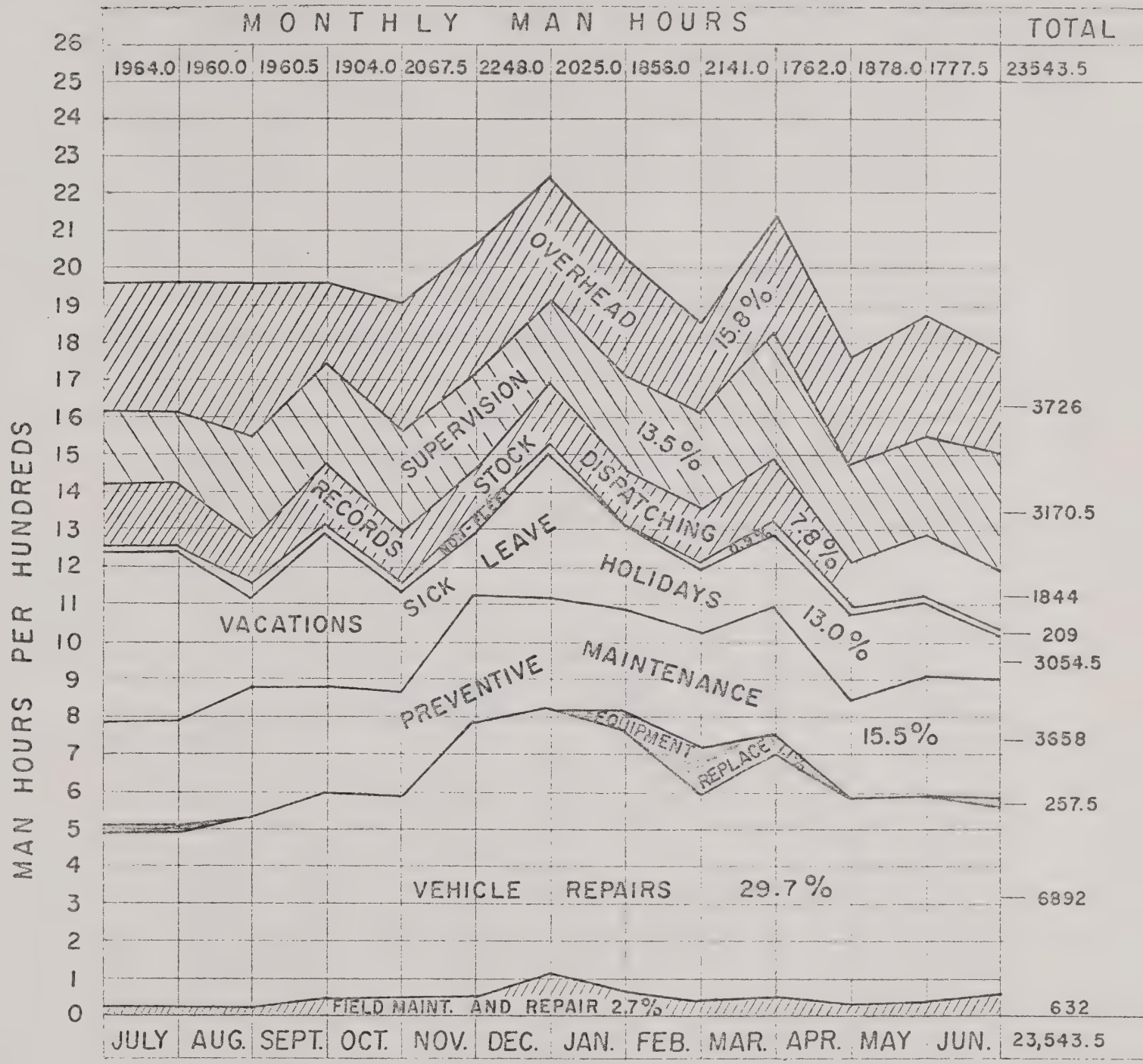
ORGANIZATION CHART



REVISED

MECHANICAL DIVISION

MAINTENANCE MAN HOUR CHART 1971-72



FISCAL YEAR 1971-1972

Collection:

The collection section of the Sanitation Division is responsible for the collection of mixed refuse from approximately 9,100 residential and commercial accounts using City personnel and equipment. Residential refuse is collected twice each week and the commercial accounts are serviced from two to seven times each week.

The collections are made by six residential rear packer crews, and the commercial accounts are picked up by two front loader drivers.

Shown below in Figure "I" is a comparison of the number of miles traveled by all Sanitation Division trucks in June of the last five years.

NUMBER OF MILES TRAVELED

	Rear Loaders	Front Loaders	Total
June 1968	4636	1845	6481
1969	4479	1903	6382
1970	4629	2140	6769
1971	4768	2331	7099
* 1972	3814	2294	6108

FIGURE I

* Prior to 1972 the mileage of the supervisor's pickup was totaled in with the rear loaders.

Figure "II" below shows the number of man hours worked by the three sections of the Sanitation Division in Fiscal Year 1971-72.

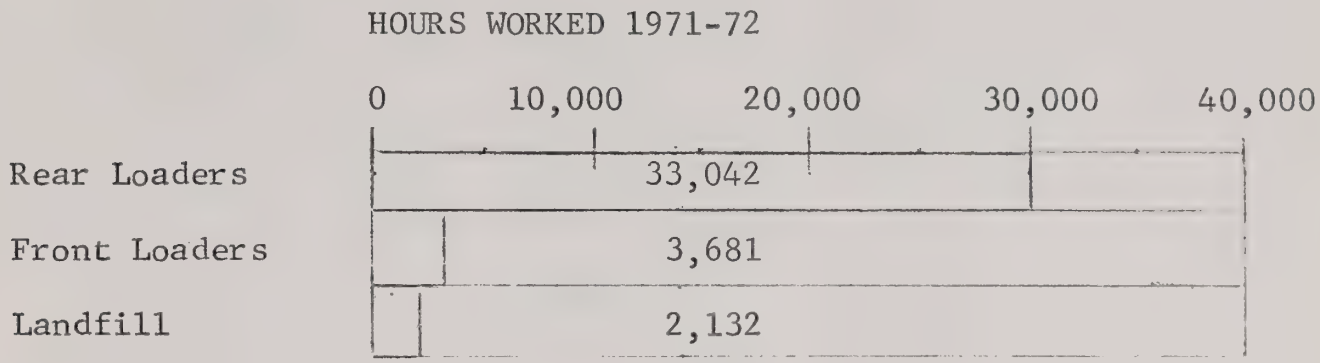


FIGURE II

Figures "III" and "IV" are graphs showing the number of accounts for the rear loaders and front loaders for June of 68, 69, 60, 71 and 72. As can be seen, the number of accounts for the rear loaders are declining while the front loader accounts are increasing.

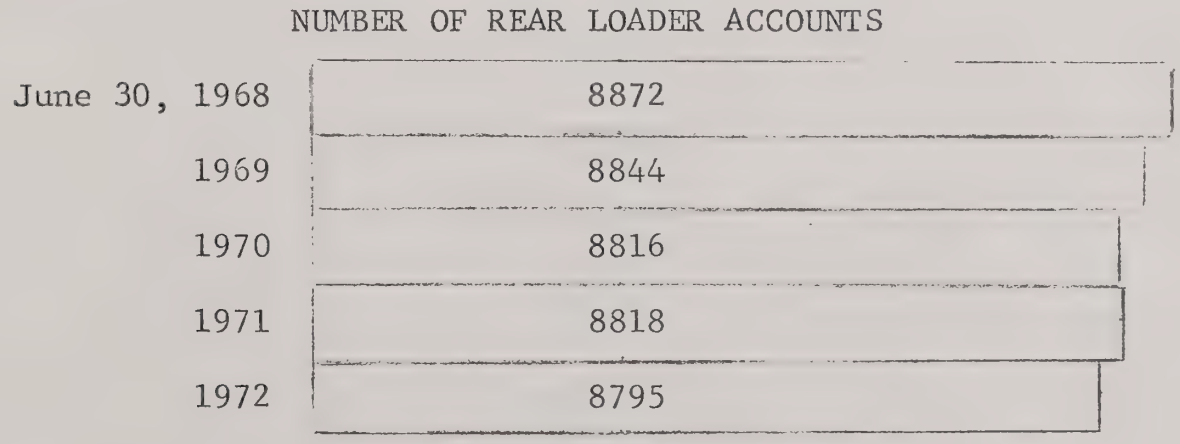


FIGURE III

NUMBER OF FRONT LOADER ACCOUNTS

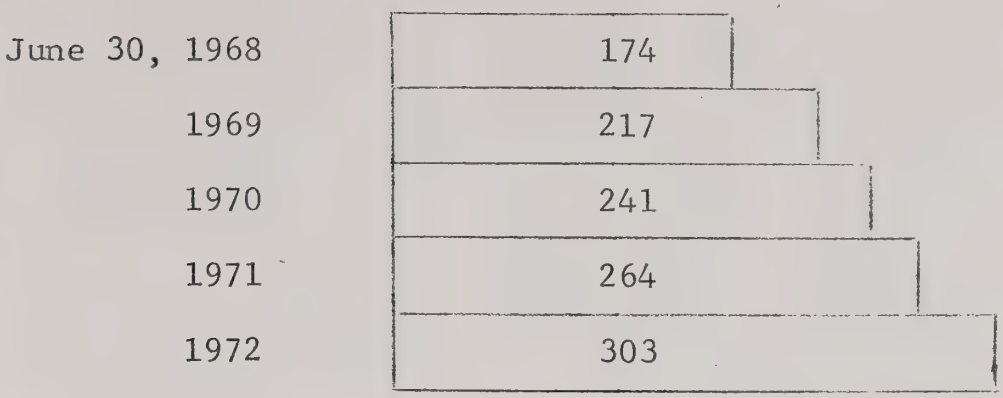


FIGURE IV

Figure "V" shows the total cubic yards hauled by front loaders in June of 1968, 69, 70, 71 and 72. The decline shown in June of 71 is due to a slowdown in service at the three Thrifty Stores in Santa Maria. New accounts in 1972 has raised the yardage again.

NUMBER OF CUBIC YARDS HAULED BY FRONT LOADERS

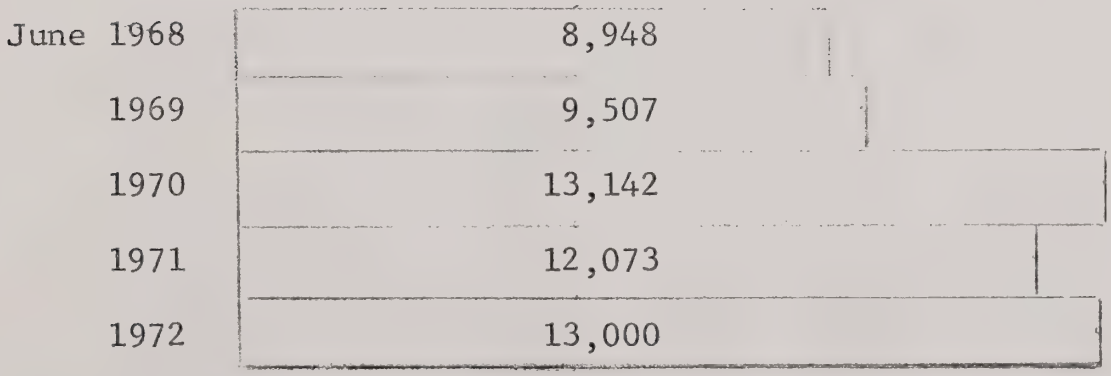


FIGURE V

Disposal:

The disposal section of the Sanitation Division is responsible for operation of the City Landfill on Suey Road. This involves the spreading, compacting and covering of all refuse produced in the City, as well as some produced by residents adjacent to the City in San Luis Obispo and Santa Barbara Counties. No fee is charged the public for dumping at the landfill at the present time, but beginning in July, 1972 the City will change to a "pay landfill" and everyone will be charged according to the size of the load. Constructing and maintaing the access road and erecting fences for the control of blowing paper are also a part of the activities, as well as planting trees on the completed landfill.

Figure "VI" shows the acreage used by fiscal year from 63-64 to 71-72. The variation from 68-69 to the present is caused by the different types of land being used (Reuse of the old dump versus clean land).

ACRES USED PER YEAR

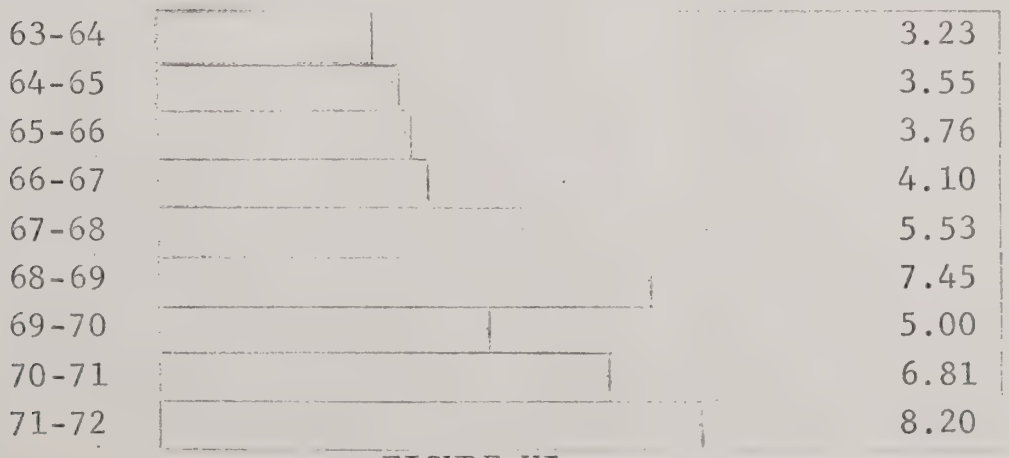


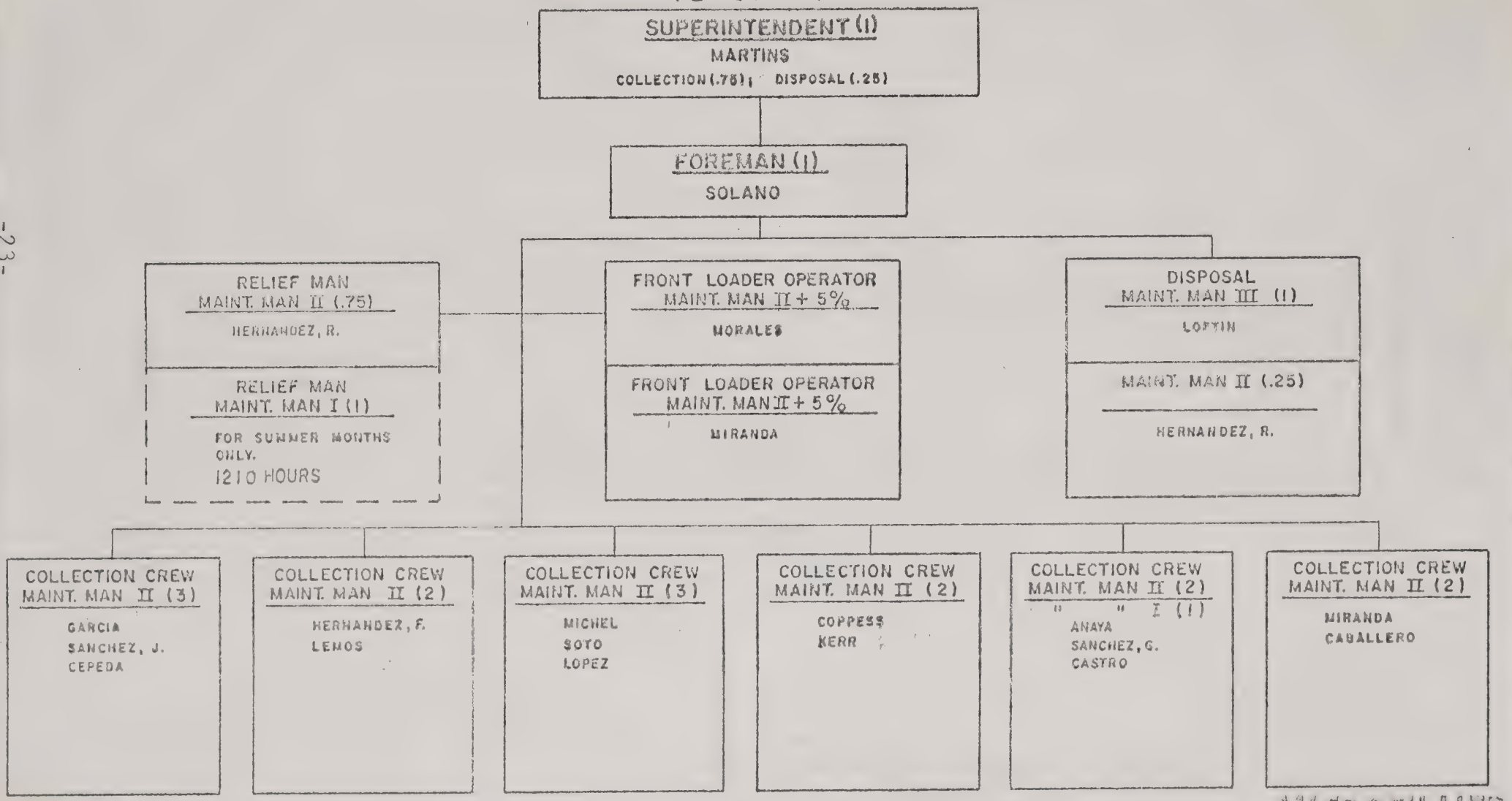
FIGURE VI

Capital improvements consisted of the extension of the boundary fence 500 feet and the construction of a 4 foot diameter drainage culvert through the landfill to connect to an existing drainage structure.

A study was completed regarding the feasibility of the City purchasing approximately 200 acres of land east of the present landfill and going into an area-wide "pay" landfill.

SANITATION DIVISION
CITY OF SANTA MARIA
DEPARTMENT OF PUBLIC WORKS
ORGANIZATION CHART

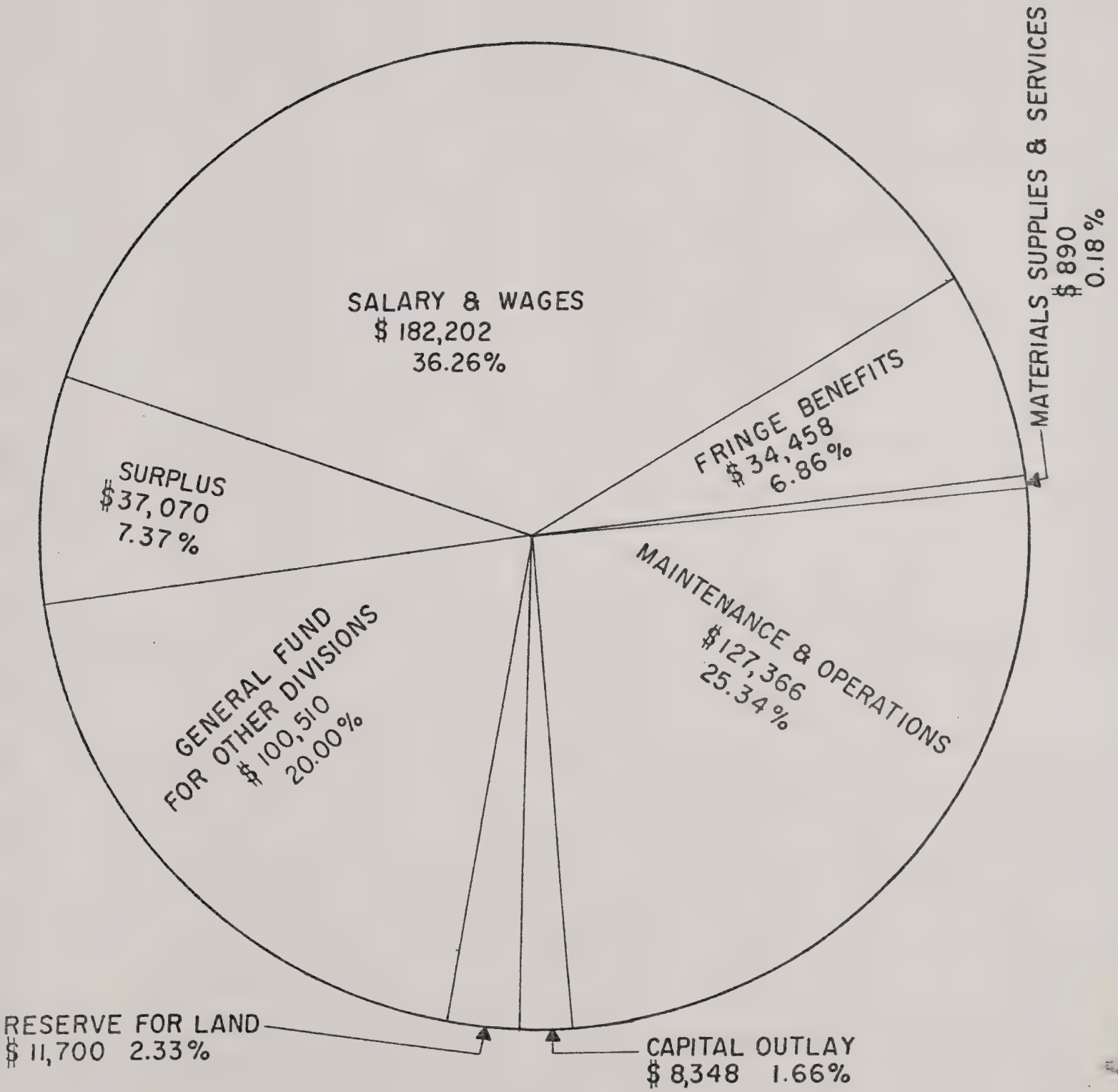
(EXISTING)



MICROFILMED

SANITATION DIVISION

FUND DISTRIBUTION FOR 1971-1972



TOTAL = $502,544

STREET DIVISION

The Street Division has a large variety of maintenance responsibilities:

1. Street Maintenance
2. Street Light Maintenance
3. Sewer Maintenance
4. Drainage Maintenance
5. Weed Abatement

The Street Division is composed of fifteen men and two foremen. These men all work under the direction and supervision of the Street Superintendent.

Due to the variety of maintenance responsibilities in the Street Division, it is hard to specify the size of a maintenance crew, since the situation of the maintenance problems vary in each case. The normal size of a crew is two or three men.

Speaking in general terms regarding street maintenance, there are approximately 112 miles of streets and some 218 miles of curbs, gutters and sidewalks, all of which are included in the Street Maintenance Division's program.

There are three sweepers, one Wayne 4 wheel, one Mobile 4 wheel, one Wayne Diesel 3 wheel; and one front end loader that are generally kept busy sweeping the gutter portions of our City streets.

On an average day's sweeping per sweeper approximately 20 gutter miles is covered. The sweeper operators starting times are different. This is due to the selected area to be

swept and the daily service that has to be performed on each sweeper plus mechanical personnel time schedule. One sweeper receives a daily 2-hour service, the other two a bi-monthly 4-hour service, with a 1-hour daily maintenance check.

There is a five day schedule for each sweeper and each sweeper operator has a daily section that must be swept weekly on the same day of each week.

The patching crew varies in size depending on the nature of the job to be undertaken. Normally there are two men patching streets. This work consists of small jobs such as patching sewer ditches, water ditches, chuck holes in the streets and deterioration of asphalt along gutter lines. The patching crew increases in size when there is a major job to do, such as a cave-in due to the rupture of a water main or due to the settling of ground after a storm. When the patch crew increases, it includes an equipment operator to operate the roller and in some cases the grader; two rake men, normally one of these men will be in charge or be responsible for the accomplishment of the job to the supervisor; one driver to haul asphalt in the event the asphalt is not being delivered to the job; two men to place asphalt as directed by the rake men. The placement of 768,000 square feet of asbestos asphaltic concrete was overlayed at a total cost of $42,555.

The repairing of sidewalk, curb and gutter is a Street Division responsibility. Here the crew size will also vary depending on the nature of the job.

This maintenance crew will replace sidewalk, curbs and gutters where a city tree caused that portion to become dangerous for pedestrian traffic. This crew normally consists of three men. At present we are experimenting with the use of Epoxy binder to repair sidewalks and some curbs. This crew increases in size when the concrete is hauled in for a major replacement, and the Street Division also provides an inspector for all concrete work done by contractors.

Painting of streets has now become a major job for the street division. The paint crew consists of two men to whom the authority has been delegated for the painting of all parking zones, diagonal and parallel parking, stop bars, pedestrian and school crossing walks, and warnings to the approach of the school and crosswalks. Center striping is also done when approved and the crew has been called upon to center stripe airstrips at the Airport.

Signs throughout the city are installed by the Street Division. The maintenance of warning, regulatory signs and guide signs is handled by this division also. At present we are in the process of changing most of our signs as required by the California Uniform Traffic Devices. Approximate completion date of changeover will be in 1974.

Maintenance and installation of 720 parking meters is accomplished by a three man crew which also maintains the 1951 street light system of the city. This consists of replacing bulbs, painting and numbering, and in some cases the replacement of damaged light poles. The Electrician takes care of electrical maintenance problems for all city departments and their subordinate divisions and inspects the installation of new light poles.

Sewer maintenance was accomplished normally on call. The two man crew cleans main lines only in the event of stoppage. This crew replaces damaged lines, city and private, the latter only when said damage is caused by the city. The city recently purchased a high velocity pipe cleaner that has decreased our reaction time on emergency sewer problems.

This new machine is mounted on a trailer and is supplemented with a water tanker for its operations. This machine went into a full time maintenance operation of cleaning all our city main lines, manhole to manhole. Up to May 31st this crew had completely cleaned 163,107 lineal feet of city sewer line and up to September 30th has flushed 14,201 feet of emergency sewer stoppages.

The drainage system within the city is maintained by the Street D vision personnel. This consists of cleaning, grading and in some cases, reconstruction of damaged drainage ditches caused by storm; the replacement of cross gutters when they become deficient causing the intersection to become deficient

and dangerous for pedestrian and vehicular traffic. Much to our regret the Street Division has lost one of its favorite drainage ditches to the Santa Barbara County Flood Control District -- the Blosser Ditch, and has inherited the Simas pond and pumps.

Yearly the Street Division undertakes the Weed Abatement Program which includes the task of inspecting lots, posting notices and the cleaning of some lots. This crew is normally three men. This work is done by hand or machine and in most cases, uses a chemical control. This year there were 575 lots cleaned under the Weed Abatement Program at a total cost of $17,950.

A pleasant climax to each year for the Street Division is the special project of decorating the main streets of the city for the holiday season.

The following graph depicts the man hours required for various segments of Street Division work and the asterisk (*) indicates the man hours used by the electrical section only.

STREET DIVISION

CITY OF SANTA MARIA

DEPARTMENT OF PUBLIC WORKS

ORGANIZATION CHART

(EXISTING)

SUPERINTENDENT (1)

WILLIAMS

FOREMAN (2)

TONY GALVAN — STREETS

DALE CLABORN — ELECTRICAL

STREET SWEEPING

MAINT. MAN III (3-2/12)

BORGES (1)
TORRES (1)
UJANO (1)
CARGILL (2/12)

SEWER

MAINT. MAN III (1)

THOMPSON (1)

MAINT. MAN I (1)

OLIVERA (1)

DRAINAGE

MAINT. MAN. II (1)

ALVAREZ (1)

PARKING METERS

ELEC. APP (1/2)

BRITTON (1/2)

MAINT. MAN II (1/2)

HEATH (1/2)

ST. LIGHTING & ELECT. MAINT.

ELEC. APP (1/2)

BRITTON (1/2)

MAINT. MAN II (1/2)

HEATH (1/2)

GENERAL MAINTENANCE

ASPHALT MAINTENANCE

MAINT. MAN III

CARGILL (6/12)

MAINT. MAN II 6/12

ARELLANES (6/12)
BOGUE

CONCRETE MAINTENANCE

MAINT. MAN II 2

JOHNSON
MOSHIER (5/12)
ARELLANES (6/12)

TRAFFIC MAINTENANCE

MAINT. MAN III (1)

SWORD (1)

MAINT. MAN II (1)

ROBERSON (1)

HEAVY EQUIP OPERATOR

MAINT. MAN II (4/12)

CARGILL (4/12)

WEED ABATEMENT

MAINT. MAN II (6/12

MOSHIER 5/12

MICROFILMED

STREET DIVISION MANHOURS
July 1, 1971 To June 30, 1972

TYPE OF MAINTENANCE	HOURS	PERCENT OF TOTAL
PATCHING	6165	16.3%
PAINTING	1353	3.6%
SWEEPING	4950	13.1%
F.E.L. TRUCK	388	1.0%
ST. LIGHTING *	2160	5.7
ALLEYS	487	1.3
OTHERS	236	0.6
CURB SIDEWALK	3164	8.4
GUTTER	1567	4.2
SIGN	1592	4.2
PARKING METERS *	495	1.3
SEWERS	3019	8.0
DRAINAGE	1459	3.9
STREETS *	161	0.4
CITY HALL *	231	0.6
ENGINEERING *	211	0.6
PARKS & RECREATION *	763	2.0
FIRE DEPT. *	316	0.8
POLICE DEPT. *	383	1.0
MECHANICAL DIVISION *	99	0.3
COMMUNITY DEV. DEPT. *	64	0.2
WATER DIVISION *	171	0.5
SEWAGE TREATMENT *	360	1.0
LIBRARY *	54	0.1
BUILDING MAINTENANCE *	62	0.2
VACATION	1588	4.2
SICK LEAVE	1126	3.0
COMPENSATORY TIME OFF	744	2.0
HOLIDAY	1576	4.2
INSPECTION & SUPERVISION	572	1.5
MISCELLANEOUS	—	
CHRISTMAS DECORATIONS *	341	0.9
WEED ABATEMENT	1034	2.7
PERMIT INSPECTION	197	0.5
N. BLOSSER BLOCK FENCE	54	0.1
CLEAN OLD YARD	117	0.3
ABSENT	8	
VOTING BOOTHS	26	0.1
MILITARY LEAVE	80	0.2
DIVISION MEETING	76	0.2
INTERVIEWS	36	0.1
DEMONSTRATION	40	0.1
COMPLAINTS	136	0.4
PLAIN MISC	67	0.2
TOTAL MAN HRS.	37,728	100%

MAN HOURS UTILIZED PER OPERATION (THOUSAND HOURS) 1 2 3 4 5 6

*ELECTRICAL SECTION MANHOURS

WASTE WATER TREATMENT PLANT DIVISION

The Waste Water Treatment Plant Division operates and maintains the Municipal Wastewater Treatment Facility, including a sewage lift station. The plant operation is responsible for primary and secondary treatment of domestic and industrial waste. The treatment provides an effluent that is suitable for limited irrigation use or pond distribution.

During the past year the average flow has been 4.5 million gallons per day, while peak flows have ranged around 6.0 million gallons per day. Approximately 1.6 billion gallons have been treated in the past year and was distributed to the percolation ponds.

The Division continues to have as its basic objective, the treatment of domestic and industrial waste in a manner that will preserve the environment and remain within the Regional Water Quality Control Board standards. The treatment plant facility maintains a full-time laboratory certified by the State of California. The laboratory performed water and chemical analysis tests as follows: 48 dissolved oxygen, 46 biochemical oxygen demand, 170 settleable solids, 42 suspended solids, 172 ph or hydrogen ion concentration, 32 sludge samples for percentage solids, 40 volatile acids and 37 alkalinity. The results of these tests act as determinants to guide the operation of the plant.

One of the crucial maintenance problems is caused by an atmospheric condition containing high quantities of moisture and in combination with the sulfides in the air, creates a corosive condition that requires a continual painting program on the part of plant personnel.

Other significant maintenance items during the past year consisted of repairing six (6) centrifugal pumps, rebuilding of two (2) sludge pumps, reconditioned classifier and installed larger capacity vari-drive grit pump, sub-soiled three (3) percolation ponds, planted gambusia (mesquito) fish in percolation ponds. Capital improvements for the past year included installation of additional safety guard railings on top of digesters No. 2 and 3, acquisition of flame arrester packs for gas collection system and magnetic stirrer for laboratory.

The treatment operation is such that the equipment has a demand on it to run 24 hours per day, 7 days per week, thus causing intense wear and tear. A preventative maintenance program has been instituted to combat the preceding and assure the equipments reliability.

During the past year, the Central Coast Regional Water Quality Control Board has set standards in the form of mineral contents allowed in the treated waste water being discharged from the sewage treatment plant.

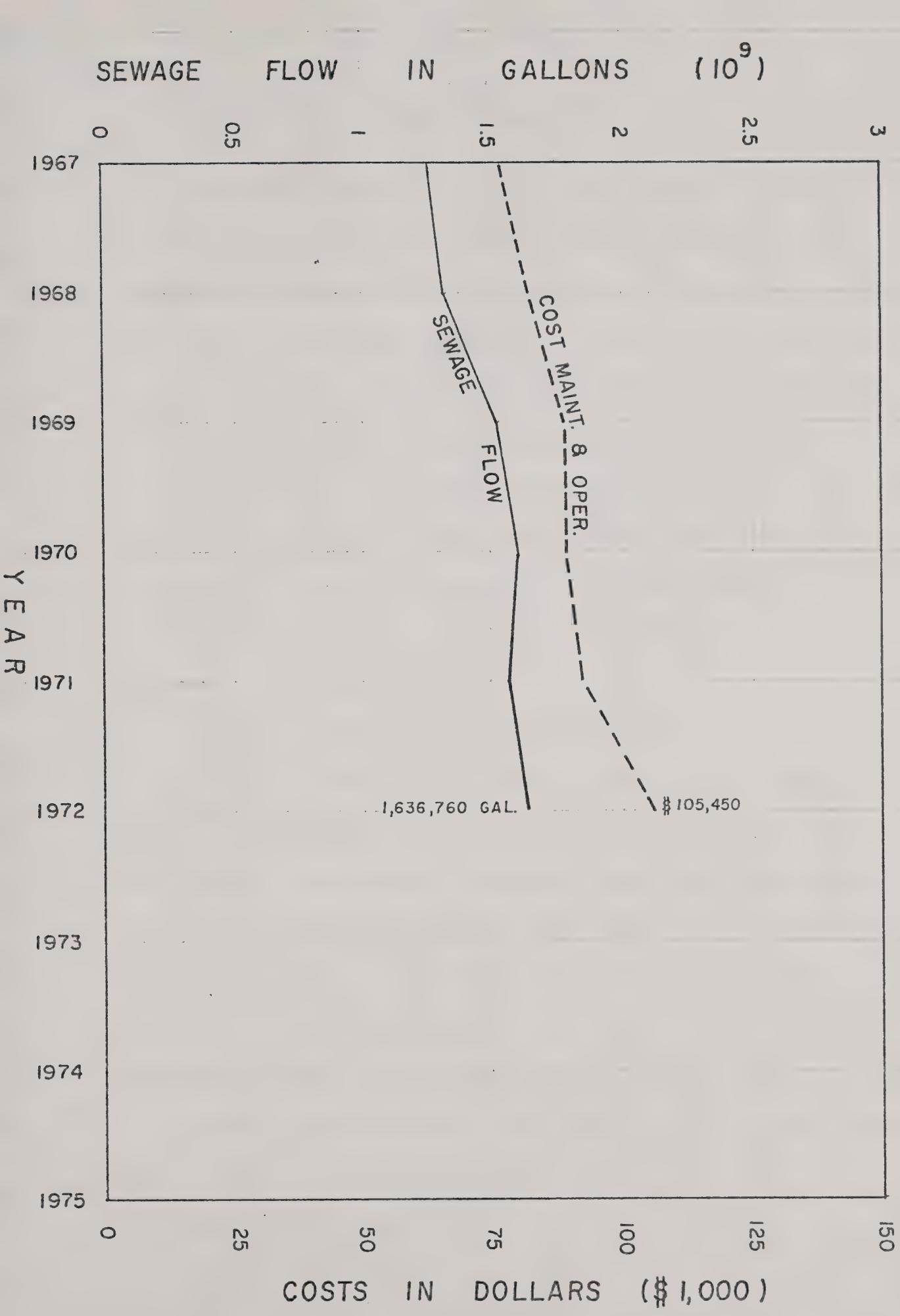
The common methods used by treatment plants for the treatment of sewage does not remove minerals in any appreciable amounts. Monthly liquid samples have been analyzed for the past 12 months and now alternative ways can be determined as to the best method for the mineral reduction.

The Maintenance and Operating "cost" compared to the sewage "flow" treated annually is shown below and on the following graph:

Fiscal Year	Gallons Sewage Flow	Cost
1966-67	1,251,720,000	$ 77,500
1967-68	1,308,450,000	82,600
1968-69	1,516,993,000	89,000
1969-70	1,600,346,000	89,000
1970-71	1,583,746,000	92,000
1971-72	* 1,636,760,000	** 105,450

* 5023.05 acre feet

** $21 per acre foot


SEWAGE FLOW IN GALLONS (10^9)
0
0.5
1
1.5
2
2.5
3
1967
1968
1969
1970
1971
1972
1973
1974
1975
YEAR
SEWAGE FLOW
COST MAINT. & OPER.
1,636,760 GAL.
$105,450
0
25
50
75
100
125
150
COSTS IN DOLLARS ($1,000)

WATER DIVISION

The Water Division has two prime functions -- water production and water distribution. Water production capability is comprised of 11 water wells. Most of these wells are located around the Santa Maria Public Airport with four (4) close to the center of the City. They supply the water for the reservoirs with a total of 8.5 million gallons storage capacity. The wells, to meet the user needs, average 6.5 million gallons per day. The combined well production and reservoir capacity must supply the peak demands of 12 million gallons per day, and an annual total of 2,464,754,000 gallons.

The Water Distribution function is responsible for transmitting water from the well source to the people. This service is provided to over 9,300 accounts through a water line system approximately 130 miles long. This section also provides the meter reading function, installation of service lines and meters, and provides maintenance on all water facilities, water billing and collections. The income from the total amount of water sold this fiscal year was $716,128.

Totals of various Water Division functions during fiscal year 1971-72 are listed as follows:

Water meters installed	690
Water meters removed	745
Water meters repaired in shop	686
Water meters repaired in field	2,235

Water service turn on's	1,638
Water service turn off's	1,774
Miscellaneous service calls	839
Water meter vaults replaced	130
Main line gate valves operated	786
Water line leaks repaired	140

A CROSS CONNECTION PROGRAM, which is primarily a procedure to protect the public water supply from potential sources of contamination, was started and in full operation for approximately five months of the past year. During this time the following quantities of "back-flow prevention" items were performed:

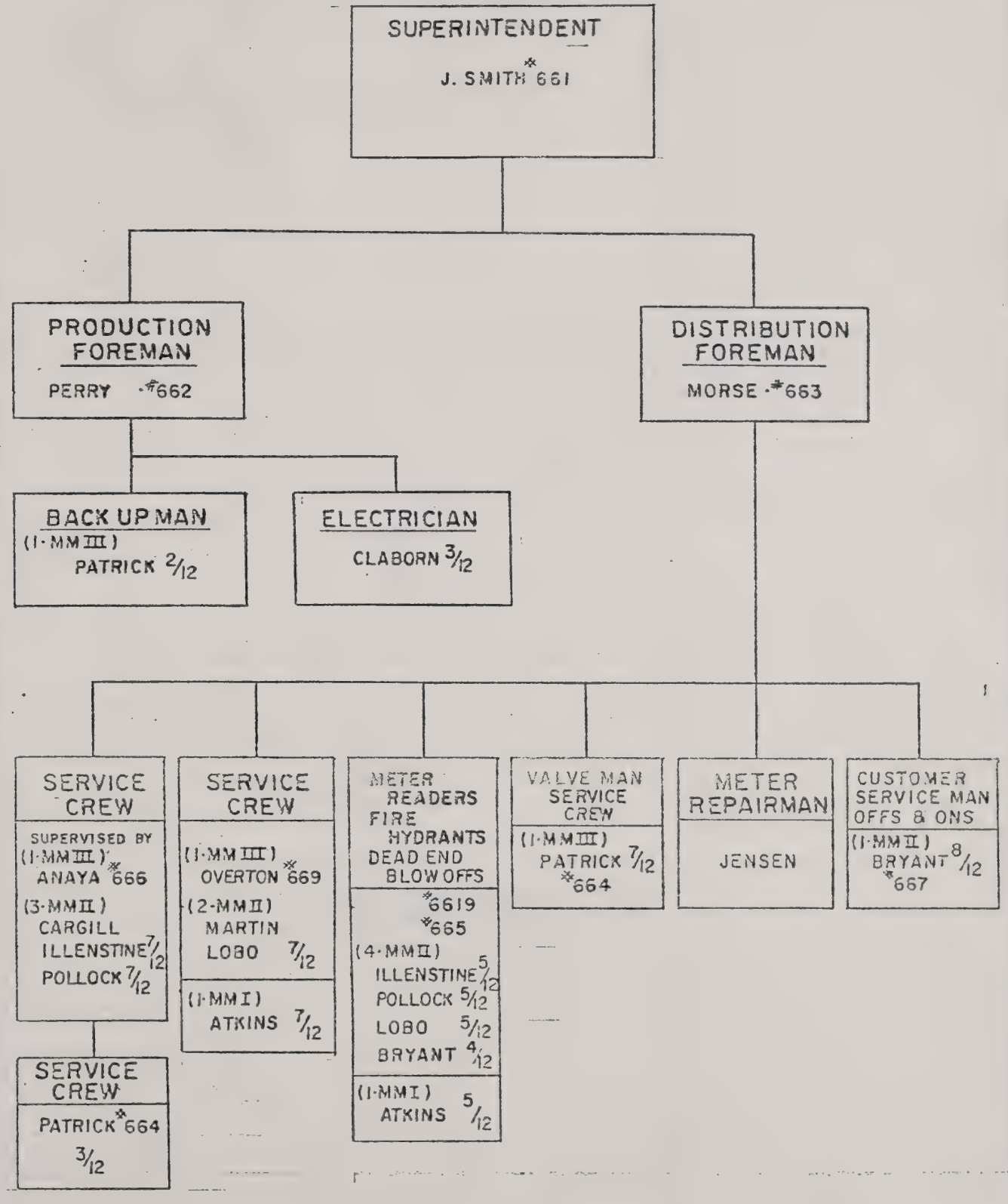
Installed	21
Repaired	34
Tested	55
Installation Inspection	21
Survey Inspection	291
Informational Services	175
Conferences	29
Correspondence Reports	195

WATER DIVISION

PUBLIC WORKS DEPARTMENT

ORGANIZATION CHART

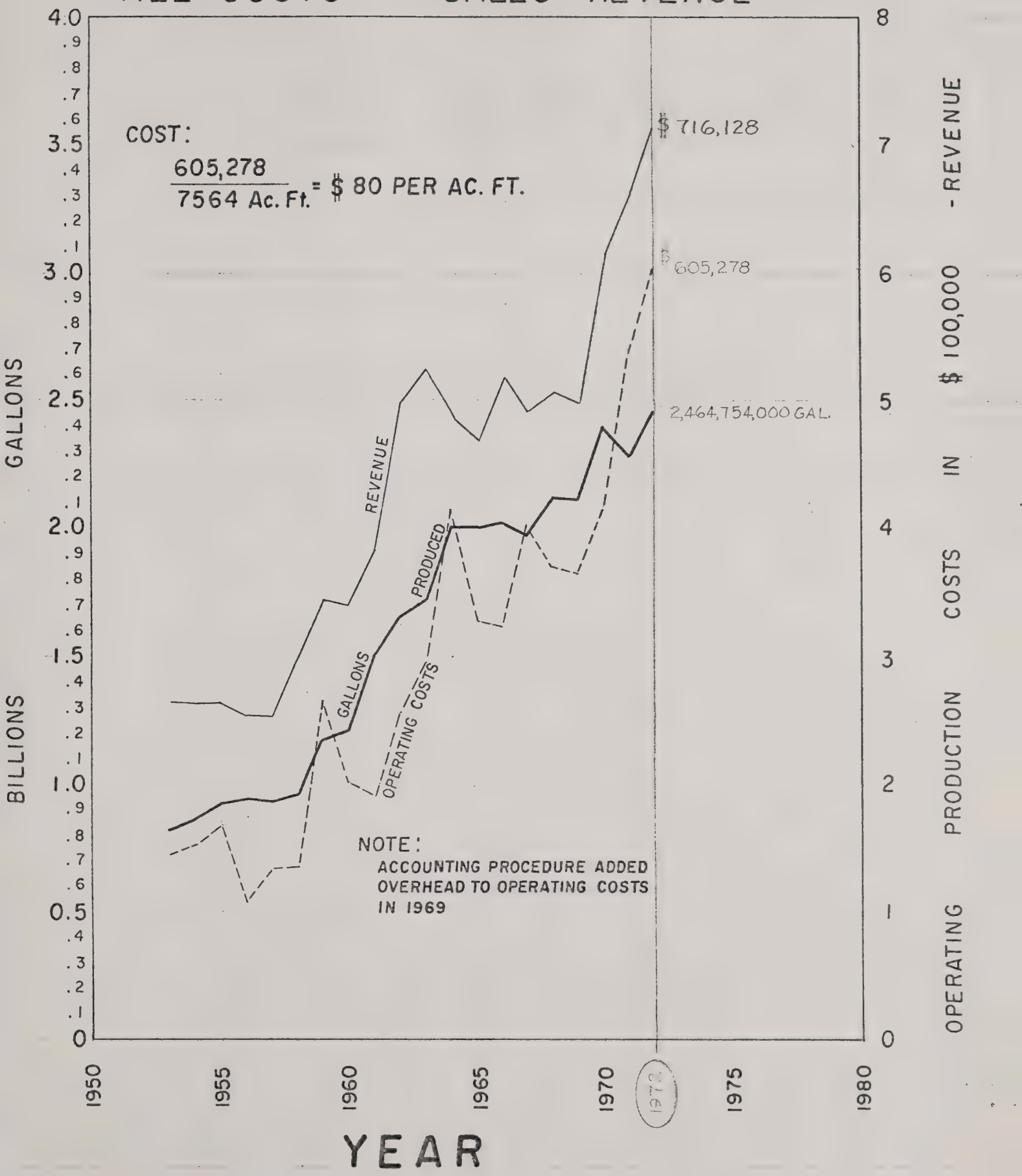
(EXISTING)



MICROFILMED

ANNUAL WATER PRODUCTION

ALL COSTS SALES REVENUE


COST:
605,278 / 7564 Ac. Ft. = $ 80 PER AC. FT.
$ 716,128
$ 605,278
2,464,754,000 GAL.
REVENUE
PRODUCED
GALLONS
OPERATING COSTS
NOTE:
ACCOUNTING PROCEDURE ADDED OVERHEAD TO OPERATING COSTS IN 1969
BILLIONS GALLONS
OPERATING PRODUCTION COSTS IN $ 100,000 - REVENUE
4.0 .9 .8 .7 .6 3.5 .4 .3 .2 .1 3.0 .9 .8 .7 .6 2.5 .4 .3 .2 .1 2.0 .9 .8 .7 .6 1.5 .4 .3 .2 .1 1.0 .9 .8 .7 .6 0.5 .4 .3 .2 .1 0
8 7 6 5 4 3 2 1 0
1950 1955 1960 1965 1970 1975 1980
1970
YEAR

PERSONNEL NOTES

1. The total permanent employees working in the Public Works Department as of June 30, 1972 amounted to 93, which included all the Divisions.

2. The number of new employees hired into the Department as replacements for employees that either retired, left the City for other reasons or transferred by promotion to another department, consisted of the following:

   (1 Director of Public Works--Terminated Oct. 1, 1972)

   1 Mechanic II

   2 Maintenance Man III

   1 Maintenance Man II

   The preceding constitutes a turn over rate of 4.3% for all employees, regardless of reason. However, employees leaving the City for other employment only amounted to 2.2%.

3. Summer programs were provided and training was carried on for a total of 13 Work Aids of primarily high school age young adults, in the following areas:

   1 Administration

   1 Buildings Division

   2 Engineering

   1 Mechanical Maintenance Division

   3 Sanitation

   1 Street Division

   4 Water Division

4. The PEP Program, financially supported by Federal funds as a job retraining method, was provided for three employees, two of which have been hired to fill permanent vacancies with the City and one left for a private position, similar in nature to that as he was trained.

5. Kathy Albright was chosen for her outstanding characteristics from all the eligible employees in the Public Works Department and deserves to be commended as an exceptional employee.

APPENDIX A

STANDARD SPECIFICATIONS AND STANDARD DRAWINGS. The engineering section has completed and published a set of Standard Specifications for public improvements in the City of Santa Maria. These specifications cover items as: streets, alleys, water and sewer lines, street and alley lights, curbs, gutters, sidewalks, driveways, culverts, tree wells, fences and barricades, street signs and street seal coats.

The specifications are further reinforced with more than 40 Standard Drawings, which indicate typical approved methods for all types of construction required by public improvements.

These specifications and plans may be purchased from the Public Works Department in either booklet form or as individual items.

MICRO-FILM AND INDEXING SYSTEM. After several years of research and study, and a good many man hours of tedious work on some 9,000 Engineering Division drawings and maps, the new Microfilm Filing System is, for all practical purposes, complete and is now in use. Also recorded on microfilm aperture cards are all of the City contract specifications and various construction photographs of projects since 1954. The Engineering Division now has in one small filing cabinet, microfilm aperture cards for all present and past records, and they are readily available for quick reading or reproducing. For posterity and safe keeping the same information is on 16 reels of film stored in a separate cabinet in the Public Works Office, also in the safe at City Hall, and also in a security disaster cave.

Once each year all drawings, maps, specifications, and photographs produced during that year are microfilmed, mounted on aperture cards and filed with all the other documents and records. It is a very simple matter to keep the system updated, and revised or corrected if necessary.

Each aperture card has a number and is filed on a strip file. Drawings are numbered numerically under each of the 13 alphabetical drawing sizes. Specifications are numbered by their yearly contract numbers and photographs numerically by the date they were taken. Our present files should accommodate the City's needs for approximately 25 years. At present the strip files are indexed numerically by drawing numbers and by topic classification.

The topic classification or master index is composed of ten major categories which consist of: 1) Property 2) Water 3) Sewerage 4) Legal Records 5) Street Improvements 6) Parks 7) Drainage 8) Electrical 9) Photo Records 10) Miscellaneous. These ten major categories are further subdivided creating overall one hundred individual possible topic classifications.

Each drawing has the following information on the strip file index:

1. Drawing number
2. Number of revisions
3. Number of drawings in the set
4. Date of drawing
5. Drainage drawing sheet number
6. Who drawn by
7. Coordinate location
8. Classification index number
9. Descriptive location
10. Brief description of drawing
11. Roll or reel number

In the future other cross-reference index's can be developed, such as by California Coordinates, Date of Drawing, who drawn by, etc. To retrieve a microfilmed drawing at the Public Works Office, an Engineering Division employee merely determines the drawing number from the master index and selects the aperture card from the file. He then projects it on the reader-printer, and if he wants a copy of the drawing, he pushes the "print" button and receives a print. If and when the quantity of drawings, maps, specifications and photographs gets too numerous for hand retrieving, the aperture cards can be punched for rapid retrieval. Since the old bulky space consuming drawing files are still here, the large cumbersome drawings are still being pulled out for reference and use, and thus save the use of our new DASA Corporation Mark 18 Documate Reader-Printer. In the advent of progress and the need to save space and time, the Engineering Division personnel will eventually switch over to the modern new system completely.

COMPREHENSIVE TRANSPORTATION PLANNING PROCESS FOR THE SANTA MARIA URBAN AREA. The Consultant's Agreement was executed and this study to establish a long range planning program in street and traffic safety improvements commenced on July 1, 1972.

Lampman and Associates, located in Pomona, from data provided by the City and Santa Barbara County Planning Departments, including population expansion, land use development, retail sales, employment, zoning, and similar data, will develop growth factors for use in expanding present year traffic to future (based on 1995 Urban Boundaires) anticipated traffic. Also the consultant will conduct a roadside origin and destination interview on all major external routes entering the urban area to obtain data to develop traffic desires for analysis. The final report on this project is to be completed and submitted by January 1, 1974.

AREA-WIDE TOPICS PLAN AND STUDY REPORT FOR SANTA MARIA URBAN AREA. The Federal Highway Administration approved the consultant's Agreement for the City and Santa Barbara County TOPICS Study to begin effective July 16, 1971. Lampman and Associates, located in Pomona, will provide traffic engineering services to study the operational and safety aspects of the street system. The results will be a program to provide uniformity of traffic control and traffic safety measures which will result in the safe and efficient movement of pedestrians and vehicles. The final report of the project, which will be completed in eighteen months, will provide a traffic operations improvement plan for the Study Area.

FIVE YEAR CAPITAL IMPROVEMENT PROGRAM. Along with each of the other City departments, the Public Works Department developed recommendations for capital improvements deemed desirable over the next five years. This information, after coordination with other departments and comparison with our financing capabilities by the Administrator's office, resulted in the capital improvement program section of the current year's budget.

COMPACT CAR STUDY. During the fiscal year the department updated a previous report and analyzed the desirability of incorporating in the municipal fleet the automobiles so-called "mini" car or compact car, such as the Datsun, Toyota, Vega or Pinto. This study was undertaken as the result of the Supreme Court ruling of recent years that the "Buy-American" law was no longer constitutional. The study concluded that there was no economical advantage to the substitution of this size car into our fleet at the present time. However, the idea will deserve continuing attention, and it is entirely possible that future economic changes will make it desirable to utilize this type vehicle.

SANTA MARIA SOLID WASTE DISPOSAL SITE EVALUATION. The product of many months and hours of work through meetings and staff work was evidenced by the production of this report dated September 22, 1971.

The report proposes or recommends to expand the present disposal site facility, to take various steps necessary to make it a permanent operation, and to consolidate this facility with existing or proposed operations of Santa Barbara County, City of Guadalupe and San Luis Obispo County into a single regional waste disposal facility.

On November 1, 1971, the City Council reviewed this report and authorized the staff to proceed with various contacts and develop this concept into a firm proposal. As a result of this endorsement, work commenced on securing appraisals of the properties proposed for use. Indications at this time from contacts with South San Luis Obispo County and City of Guadalupe officials revealed hesitation to commit themselves to a joint powers agreement and to any financial obligation as a public agency in operation of this proposal.

Informal agreement with the two property owners on sales prices was obtained in March 1972.

The City Council agreed in principal on May 15, 1972, to purchase the proposed properties to expand the Solid Waste Disposal Site.

Pending items for action for the expanded disposal site as of June 30, 1972 included:

1. Conversion to a pay dump operation.

2. Sale of revenue bonds upon creation of the non-profit corporation to purchase the property.

3. City to obtain a permit from the Water Quality Control Board.

4. Annexation of the proposed properties to the City.

5. Escrow is anticipated to close in January 1973.

ENGINEERING DIVISION FORMS & CHECKLISTS. The engineering division, in an attempt to standardize and achieve thorough consideration and evaluation of subdivision maps and public improvement drawings, has prepared checklists which serve as a guide for division personnel in processing of these items. The checklists which have been prepared and are now in use include preliminary subdivision map and tentative subdivision map considerations, subdivision status and data, preparation of engineering improvement drawings and preparation of engineer's cost estimate for improvement drawings. Copies of the checklists for preparation of engineering improvement drawings and engineer's cost estimate were sent to ten of the local Central Coast private engineers and surveyors and also to other governmental agencies who are known to do work in the Santa Maria area. These checklists will give these people the basic engineering criteria required by the City for

preparation of engineering drawings and cost estimates and will therefore facilitate the engineering division's review process.

Various standardized forms have also been prepared and are in use. These include transmittal of parcel and final maps of subdivisions, subdivision agreement data, transmittal letter of construction drawings to utilities for their review and comment and a few other type forms.

A form revision was made which combined the previous "sidewalk permit" and "excavation permit" to a Street Encroachment Permit Application. In this way, all construction work within the public street right of way requires only one permit.

Generally speaking, these standard checklists and forms have been and will continue to be a great help in the engineering division's work.

APPENDIX B

Financial Information

FUNCTION	F.Y. 71-72 EXPENDITURES				SOURCE(S)		
	Overhead	Operations	Capital Outlay	Bond Service			
ADMINISTRATION	---	76,720	0	---	General Water Refuse Sewer	Fund Fund Fund Fund	58,530 8,140 7,150 2,900
BUILDINGS	---	48,411	0	---	General Water Refuse Sewer	Fund Fund Fund Fund	31,161 7,720 6,780 2,750
ENGINEERING	---	175,136	1,036	---	General Water Refuse Sewer Gas Tax	Fund Fund Fund Fund Fund	125,362 20,050 17,610 7,150 6,000
STREETS	---	391,553	50,053	---	General Gas Tax	Fund Fund	153,446 288,160
SEWER	6,390	26,654	8,353	109,240	Sewer	Fund	281,652
TREATMENT PLANT	25,320	105,451	244		General	Fund	
SANITATION	78,090	346,338	18,624	---	Refuse	Fund	443,052
DRAINAGE	---	13,748	231,182*		Sewer	Fund	48,148
WATER	88,920	372,783	9,289	131,160	Water	Fund	602,152
MECHANICAL SHOP	---	227,920	0	---	Equip.	Fund	227,920
PARKING DIST.	---	5,193	0	4,795	Dist.	Fund	9,988
STOWELL CENTER	---	5,965	0	---	Maint.	Fund	5,965

* 34,400 City Expenditure
196,782 Santa Barbara County Flood Control - Santa Maria Flood Zone No. 3 Expenditure
231,182 TOTAL Facility Cost - Simas Park Basin, Miller Street Storm Drain

NOTE: The above information should not be used as final audit figures, but are reasonably accurate for the purposes of this summary.

APPENDIX "C"

DIRECTOR OF PUBLIC WORKS
Salfingere, Frank (Resigned Oct. 1, 1972)

ASSISTANT DIRECTOR OF PUBLIC WORKS - OPERATIONS
Litzenberg, Wm. S.

ASSISTANT DIRECTOR OF PUBLIC WORKS - ENGINEERING
Riddiough, Reese N. (Acting Director of Public Works since Oct. 1, 1972)

ADMINISTRATIVE DIVISION
Personnel
Scally, Juanita-Resigned Sept. 15, 1972
Albright, Kathy

BUILDINGS DIVISION
Foreman
Anderson, Norman
Personnel
Borges, Rita
Johnson, Roy

ENGINEERING DIVISION
Personnel
Cooley, Jim
Cowley, Bill
Diaz, Lino
Emberton, Ray
Hamilton, Jim
Little, Jim
Orosco, Sylvester
Palato, Carmen
Pantoja, Henry
Rios, Harold, Jr.
Ujano, Lorenzo
Wall, Robert

SEWAGE TREATMENT DIVISION
Superintendent
Middleton, Ben
Personnel
Ambrosetti, Robert
Gregorich, Mathew
Jakobson, Russell
Polite, Henry- PEP to Perm. Feb. 1, 1972
Reinhardt, Jack-Retired Feb. 1, 1972
Shawley, Bill
Yeager, Edelbert

MECHANICAL DIVISION
Superintendent
Rios, Harold
Foreman
Sanchez, Everett
Personnel
Bawden, Fred
Corral, Charlie
DeBoi, Howard
Hightower, Richard
Ponce, Robert
Sturgeon, Les
West, Millard
Williams, Larry

SANITATION DIVISION
Superintendent
Martins, Bill
Foreman
Solano, Eugene
Personnel
Anaya, Ernest
Caballero, Richard
Castro, Pete
Cepeda, Elpidio
Coppess, Charles
Garcia, Gilbert
Hernandez, Frank
Hernandez, Rudy
Kerr, Tommy
Lemos, Jesse
Loftin, Jesse
Lopez, Silvestre
Michel, Raul
Miranda, Pete
Morales, Tony
Sanchez, Gregory
Sanchez, Joe Henry
Soto, Percy

APPENDIX "C"
(Continued)

STREETS & SEWERS DIVISION

Superintendent
Williams, Bill

Foremen
Claborn, Dale (Elect.)
Galvan, Tony (Streets)

Personnel
Alvarez, Tony
Arellanes, Ray
Bogue, Manning
Borges, Louie
Britton, Bill
Cargill, John
Heath, Raymond
Johnson, Robert
Moshier, Donald
Olivera, Ted
Roberson, Chester
Sword, Brian
Thompson, Harold
Torres, Jesse
Ujano, Robert

WATER DIVISION

Superintendent
Smith, Jesse

Foremen
Morse, Carmel (Dist.)
Perry, Jim (Prod.)

Personnel
Anaya, Manuel
Atkins, Rodney
Bryant, Wayne
Cargill, Jim
Ilenstine, Bob
Jensen, Tommy
Lobo, Ron
Martin, Ernest
Overton, Jim
Patrick, Don
Pollock, Paul

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